Title (en)
INTELLIGENT SYSTEM FOR MANAGING VEHICULAR TRAFFIC FLOW

Title (de)
INTELLIGENTES SYSTEM ZUR VERWALTUNG EINES FAHRZEUGVERKEHRSFLUSSES

Title (fr)
SYSTEME INTELLIGENT DE GESTION DE FLUX DE CIRCULATION DE VEHICULES

Publication
EP 2109843 A4 20120314 (EN)

Application
EP 08728027 A 20080122

Priority
• US 2008051619 W 20080122
• US 88160807 P 20070122
• US 62793307 A 20070126
• US 67630007 A 20070218

Abstract (en)
[origin: US2008180281A1] A novel vehicular traffic management system that requires no special equipment in any vehicle is disclosed. More specifically, the novel system may be used when approaching a lane closure or lane reduction. The system comprises sequencing signaling devices along the roadway and a central controller. The controller commands the signaling devices to flash (or signal) according to a calculated trajectory. Vehicles traveling along side the signaling devices can pace their speed with cues from the signaling devices. Through this pacing, the system can position the vehicles such that they can merge safely and efficiently. The system can be expanded to merge more than just two lanes. Further refinements to the system include external connections that may include GPS tracking and Internet down/uploading. A feasibility condition/ determination can be used with the system to make the system even more robust and efficient.

IPC 8 full level
G06G 7/76 (2006.01)

CPC (source: EP US)
G08G 1/08 (2013.01 - EP US); G08G 1/095 (2013.01 - EP US); G08G 1/164 (2013.01 - EP US); G08G 1/22 (2013.01 - EP US)

Citation (search report)
• [XI] DE 10330989 A1 20050127 - SPIEGELMACHER KURT [DE]
• [X] US 3593262 A 19710713 - SPENCER ROLF EDMUND
• [A] US 3529284 A 19700915 - VILLEMAIN CHARLES AUGUSTE
• See references of WO 2008091843A2

Designated contracting state (EPC)
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DOCDB simple family (publication)
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